

Fig. 1A

A

1 tgacttggatgtagacctcgaccttcacaggactcttcattgctggttggaatg ATG TAT CGG CCA GAT GTG 73  
 1 M Y R P D V 6

74 GTG AGG GCT AGG AAA AGA GTT TGT TGG GAA CCC TGG GTT ATC GGC CTC GTC ATC TTC ATA 133  
 7 V R A R K R V C W E P W V I G L V I F I 26

134 TCC CTG ATT GTC CTG GCA GTG TGC ATT GGA CTC ACT GTT CAT TAT GTG AGA TAT AAT CAA 193  
 27 S L I V L A V C I G L T V H Y V R Y N Q 46

194 AAG AAG ACC TAC AAT TAC TAT AGC ACA TTG TCA TTT ACA ACT GAC AAA CTA TAT GCT GAG 253  
 47 K K T Y N Y Y S T L S F T T D K L Y A E 66

254 TTT GGC AGA GAG GCT TCT AAC AAT TTT ACA GAA ATG AGC CAG AGA CTT GAA TCA ATG GTG 313  
 67 F G R E A S N N F T E M S Q R L E S M V 86

314 AAA AAT GCA TTT TAT AAA TCT CCA TTA AGG GAA GAA TTT GTC AAG TCT CAG GTT ATC AAG 373  
 87 K N A F Y K S P L R E E F V K S Q V I K 106

374 TTC AGT CAA CAG AAG CAT GGA GTG TTG GCT CAT ATG CTG TTG ATT TGT AGA TTT CAC TCT 433  
 107 F S Q Q K H G V L A H M L L I C R F H S 126

434 ACT GAG GAT CCT GAA ACT GTA GAT AAA ATT GTT CAA CTT GTT TTA CAT GAA AAG CTG CAA 493  
 127 T E D P E T V D K I V Q L V L H E K L Q 146

494 GAT GCT GTA GGA CCC CCT AAA GTA GAT CCT CAC TCA GTT AAA ATT AAA AAA ATC AAC AAG 553  
 147 D A V G P P K V D P H S V K I K K I N K 166

554 ACA GAA ACA GAC AGC TAT CTA AAC CAT TGC TGC GGA ACA CGA AGA AGT AAA ACT CTA GGT 613  
 167 T E T D S Y L N H C C G T R R S K T L G 186

614 CAG AGT CTC AGG ATC GTT GGT GGG ACA GAA GTA GAA GAG GGT GAA TGG CCC TGG CAG GCT 673  
 187 Q S L R A I V G G T E V E E G E W P W Q A 206

674 AGC CTG CAG TGG GAT GGG AGT CAT CGC TGT GGA GCA ACC TTA ATT AAT GCC ACA TGG CTT 733  
 207 S L Q W D G S H C G A T L I N A T W L 226

734 GTG AGT GCT GCT CAC TGT TTT ACA ACA TAT AAG AAC CCT GCC AGA TGG ACT GCT TCC TTT 793  
 227 V S A A H C F T T Y K N P A R W T A S F 246

794 GGA GTA ACA ATA AAA CCT TCG AAA ATG AAA CGG GGT CTC CGG AGA ATA ATT GTC CAT GAA 853  
 247 G V T I K P S K M K R G L R R I I V H E 266

854 AAA TAC AAA CAC CCA TCA CAT GAC TAT GAT ATT TCT CTT GCA GAG CTT TCT AGC CCT GTT 913  
 267 K Y K H P S H D Y D I S L A E L S S P V 286

914 CCC TAC ACA AAT GCA GTA CAT AGA GTT TGT CTC CCT GAT GCA TCC TAT GAG TTT CAA CCA 973  
 287 P Y T N A V H R V C L P D A S Y E F Q P 306

974 GGT GAT GTG ATG TTT GTG ACA GGA TTT GGA GCA CTG AAA AAT GAT GGT TAC AGT CAA AAT 1033  
 307 G D V M F V T G F G A L K N D G Y S Q N 326

1034 CAT CTT CGA CAA GCA CAG GTG ACT CTC ATA GAC GCT ACA ACT TGC AAT GAA CCT CAA GCT 1093  
 327 H L R Q A Q V T L I D A T T C N E P Q A 346

1094 TAC AAT GAC GCC ATA ACT CCT AGA ATG TTA TGT GCT GGC TCC TTA GAA GGA AAA ACA GAT 1153  
 347 Y N D A I T P R M L C A G S L E G K T D 366

1154 GCA TGC CAG GGT GAC TCT GGA GGA CCA CTG GTT AGT TCA GAT GCT AGA GAT ATC TGG TAC 1213  
 367 A C Q G D S G G P L V S S D A R D I W Y 386

1214 CTT GCT GGA ATA GTG AGC TGG GGA GAT GAA TGT GCG AAA CCC AAC AAG CCT GGT GTT TAT 1273  
 387 L A G I V S W G D E C A K P N K P G V Y 406

1274 ACT AGA GTT ACG GCC TTG CGG GAC TGG ATT ACT TCA AAA ACT GGT ATC TAA gagagaaaagcc 1336  
 407 T R V T A L R D W I T S K T G I \* 423

1337 tcatggaacagataacatttttttttgggttttgggtgtggaggccatttttagagatacagaattggagaagacttgca 1416

1417 aaacagctagatttgactgatctcaataaagtgtttgcttgatgcaaaaaaaaaa 1471

**Fig. 1B**

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[illegible]

Fig. 1B (con't)

A

1	1	tgacttggatgtagacctcgaccttcacaggactcttcattgctggttggaatg	ATG	TAT	CGG	CCA	GAT	GTG	73
			M	Y	R	P	D	V	6
74	7	GTG AGG GCT AGG AAA AGA GTT TGT TGG GAA CCC TGG GTT ATC GGC CTC GTC ATG TTC ATA							133
		V R A R K R V C W E P W V I G L V M F I							26
134	27	TCC CTG ATT GTC CTG GCA GTG TGC ATT GGA GTC ACT GTT CAT TAT GTG AGA TAT AAT CAA							193
		S L I V L A V C I G V T V H Y V R Y N Q							46
194	47	AAG AAG ACC TAC AAT TAC TAT AGC ACA TTG TCA TTT ACA ACT GAC AAA CTA TAT GCT GAG							253
		K K T Y N Y Y S T L S F T T D K L Y A E							66
254	67	TTT GGC AGA GAG GCT TCT AAC AAT TTT ACA GAA ATG AGC CAG AGA CTT GAA TCA ATG GTG							313
		F G R E A S N N F T E M S Q R L E S M V							86
314	87	AAA AAT GCA TTT TAT AAA TCT CCA TTA AGG GAA GAA TTT GTC AAG TCT CAG GTT ATC AAG							373
		K N A F Y K S P L R E E F V K S Q V I K							106
374	107	TTC AGT CAA CAG AAG CAT GGA GTG TTG GCT CAT ATG CTG TTG ATT TGT AGA TTT CAC TCT							433
		F S Q Q K H G V L A H M L L I C R F H S							126
434	127	ACT GAG GAT CCT GAA ACT GTA GAT AAA ATT GTT CAA CTT GTT TTA CAT GAA AAG CTG CAA							493
		T E D P E T V D K I V Q L V L H E K L Q							146
494	147	GAT GCT GTA GGA CCC CCT AAA GTA GAT CCT CAC TCA GTT AAA ATT AAA AAA ATC AAC AAG							553
		D A V G P P K V D P H S V K I K K I N K							166
554	167	ACA GAA ACA GAC AGC TAT CTA AAC CAT TGC TGC GGA ACA CGA AGA AGT AAA ACT CTA GGT							613
		T E T D S Y L N H C C G T R R S K T L G							186
614	187	CAG AGT CTC AGG ATC GTT GGT GGG ACA GAA GTA GAA GAG GGT GAA TGG CCC TGG CAG GCT							673
		Q S L R A I V G G T E V E E G E W P W Q A							206
674	207	AGC CTG CAG TGG GAT GGG AGT CAT CGC TGT GGA GCA ACC TTA ATT AAT GCC ACA TGG CTT							733
		S L Q W D G S H R C G A T L I N A T W L							226
734	227	GTG AGT GCT GCT CAC TGT TTT ACA ACA TAT AAG AAC CCT GCC AGA TGG ACT GCT TCC TTT							793
		V S A A H C F T T Y K N P A R W T A S F							246
794	247	GGA GTA ACA ATA AAA CCT TCG AAA ATG AAA CGG GGT CTC CGG AGA ATA ATT GTC CAT GAA							853
		G V T I K P S K M K R G L R R I I V H E							266
854	267	AAA TAC AAA CAC CCA TCA CAT GAC TAT GAT ATT TCT CTT GCA GAG CTT TCT AGC CCT GTT							913
		K Y K H P S H D Y D I S L A E L S S P V							286
914	287	CCC TAC ACA AAT GCA GTA CAT AGA GTT TGT CTC CCT GAT GCA TCC TAT GAG TTT CAA CCA							973
		P Y T N A V H R V C L P D A S Y E F Q P							306
974	307	GGT GAT GTG ATG TTT GTG ACA GGA TTT GGA GCA CTG AAA AAT GAT GGT TAC AGT CAA AAT							1033
		G D V M F V T G F G A L K N D G Y S Q N							326
1034	327	CAT CTT CGA CAA GCA CAG GTG ACT CTC ATA GAC GCT ACA ACT TGC AAT GAA CCT CAA GCT							1093
		H L R Q A Q V T L I D A T T C N E P Q A							346
1094	347	TAC AAT GAC GCC ATA ACT CCT AGA ATG TTA TGT GCT GGC TCC TTA GAA GGA AAA ACA GAT							1153
		Y N D A I T P R M L C A G S L E G K T D							366
1154	367	GCA TGC CAG GGT GAC TCT GGA GGA CCA CTG GTT AGT TCA GAT GCT AGA GAT ATC TGG TAC							1213
		A C Q G D S G G P L V S S D A R D I W Y							386
1214	387	CTT GCT GGA ATA GTG AGC TCG GGA GAT GAA TGT GCG AAA CCC AAC AAG CCT GGT GTT TAT							1273
		L A G I V S S G D E C A K P N K P G V Y							406
1274	407	ACT AGA GTT ACG GCC TTG CGG GAC TGG ATT ACT TCA AAA ACT GGT ATC TAA gagagaaaagcc							1336
		T R V T A L R D W I T S K T G I *							423
1337		tcattggaacagataacattttttttgttttttgggtgtggaggccatttttagagatacagaattggagaagacttgca							1416
1417		aaacagctagatttgactgatctcaataaactgttttgcttgatgcaaaaaaaaaa							1471

Fig. 2

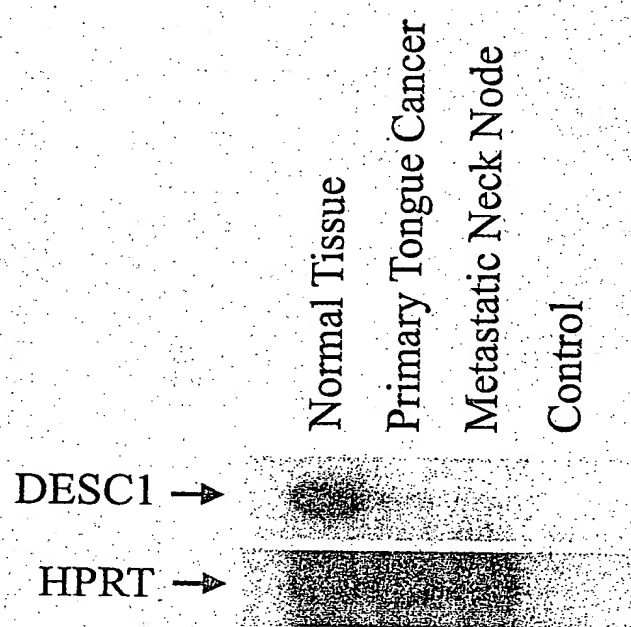


Fig. 3A

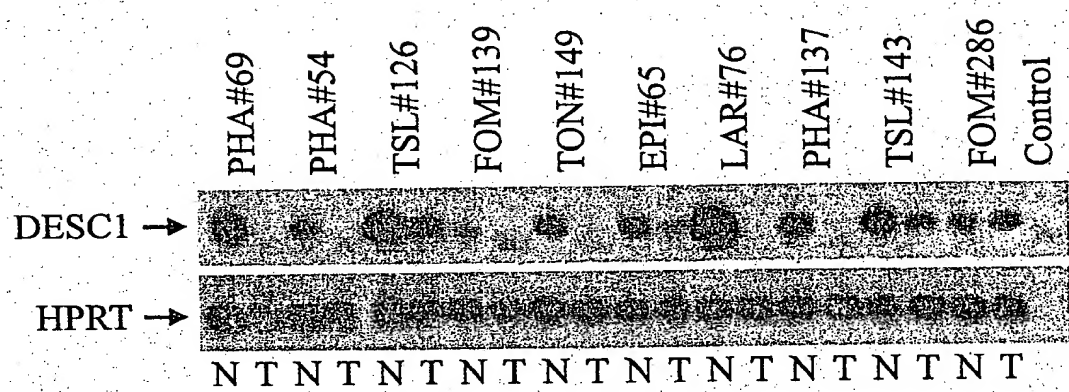


Fig. 3B

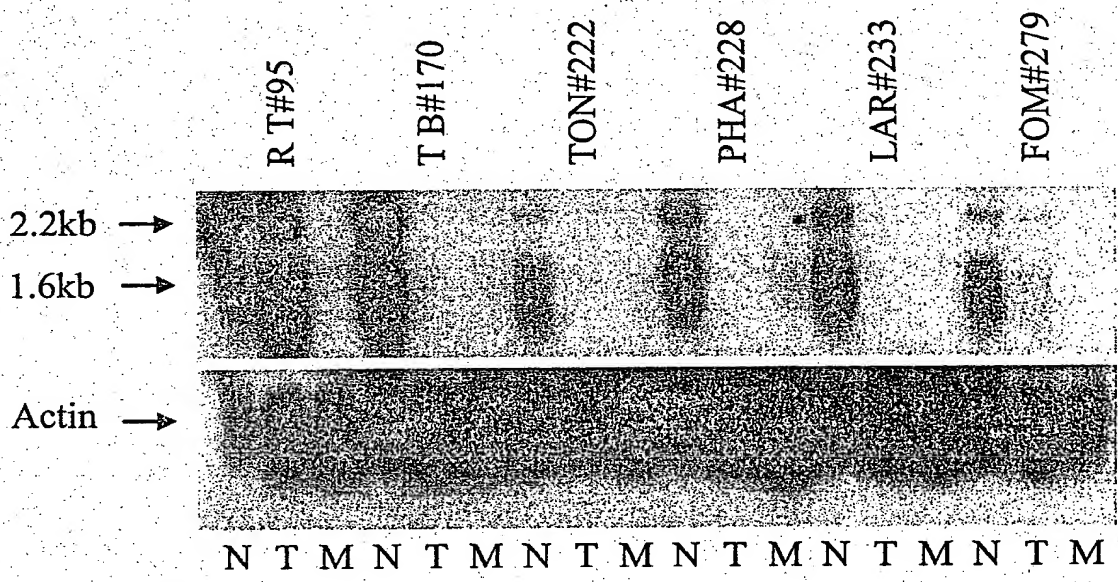


Fig. 4

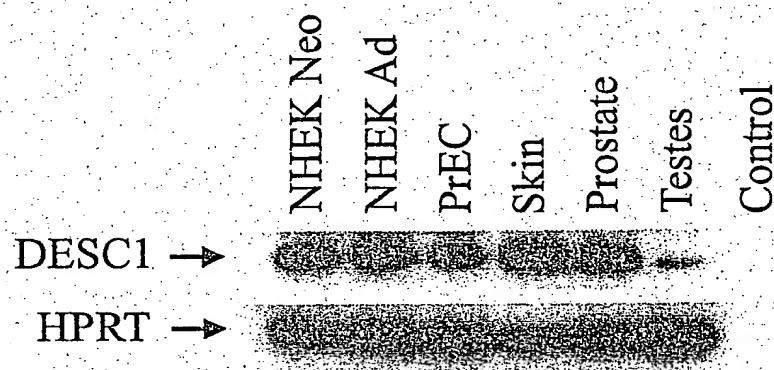


Fig. 5A

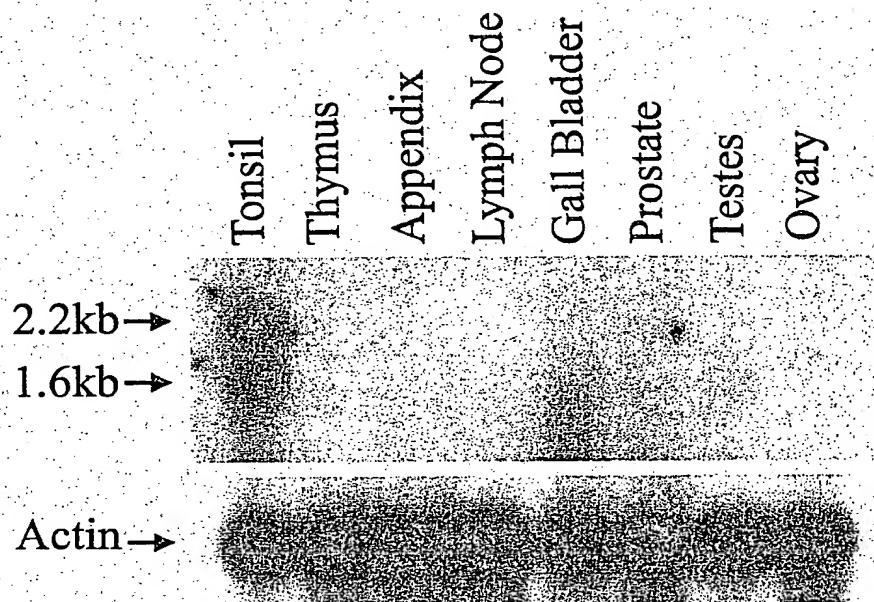


Fig. 5B

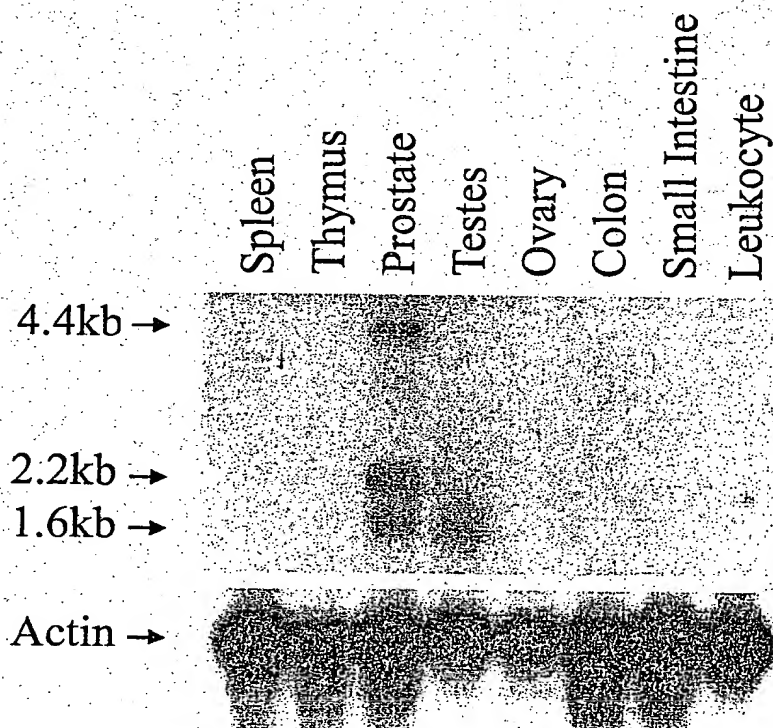


Fig. 6

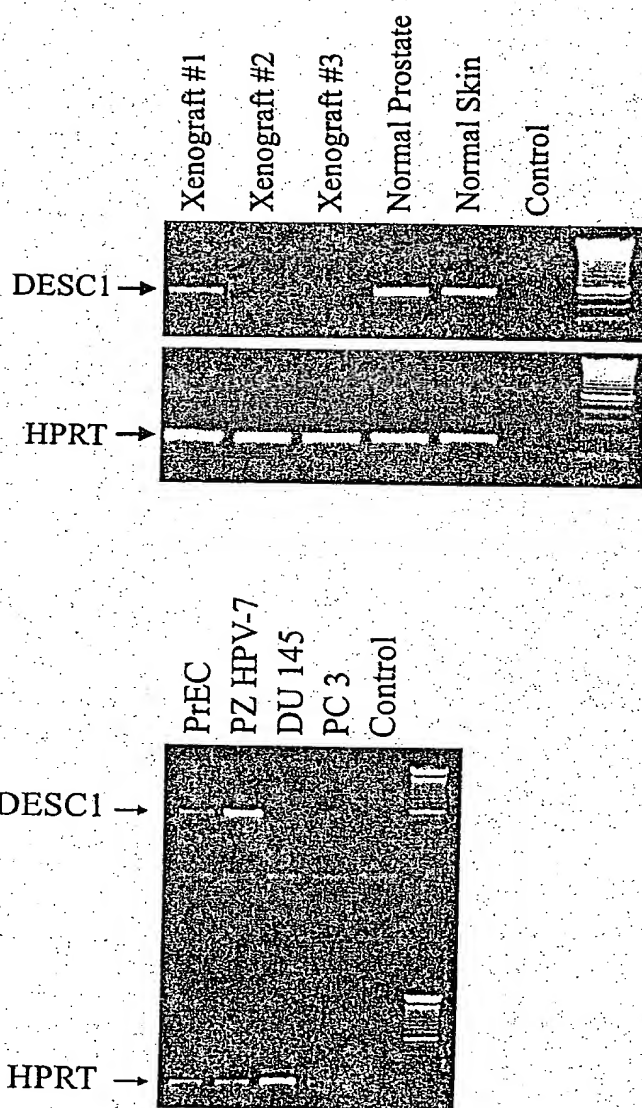




Fig. 7

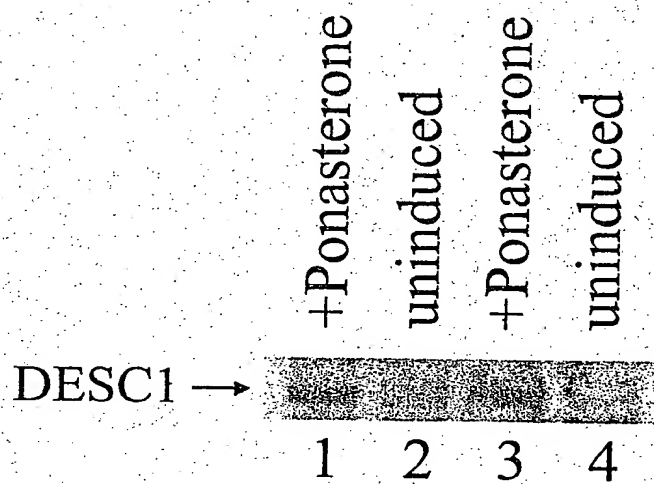


Fig. 8

